

Application No.: 10/683,791Docket No.: 1315-047Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A device for removing bubbles generated in molding glass fiber-reinforced plastic (GFRP) parts using a mold, the device comprising:
a body plate having a plurality of perforated gas vent holes; and
debubbling pipes having a cavity and debubbling holes communicating with the cavity, the holes being at the side of the debubbling pipes, the debubbling pipes extending in such a manner that the cavity communicates with the vent holes of the body plate, the debubbling pipes having differing lengths depending on the surface shape of a mold for molding GFRP into a given shape.
2. (Original) The device of Claim 1, wherein the body plate has a handle mounted on the backside thereof.
3. (Cancelled)
4. (Cancelled)
5. (Original) A method of removing bubbles generated in molding glass fiber-reinforced plastic parts, the method comprising the steps of:
laying glass fiber in a mold;
applying a resin and accelerator mixture and a curing agent on the glass fiber; and
lowering the bubble-removing device as set forth in claim 1 to the mold such that the front end of the debubbling pipes reaches the mold bottom or the vicinity thereof, while laminating layers of the glass fiber and the resin/accelerator/curing agent mixture or within 2

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minutes and 30 seconds after laminating the layers; and
maintaining the bubble-removing device at the lowered state for 15-30 seconds.

6. (Currently amended) A method of removing bubbles generated in molding glass fiber-reinforced plastic parts, the method comprising the steps of:

laying glass fiber in a mold;

applying a resin and accelerator mixture and a curing agent on the glass fiber; and
lowering the bubble-removing device as set forth in claim [[3]] 9 to the mold such that the front end of the debubbling pipes reaches the mold bottom or the vicinity thereof, while laminating layers of the glass fiber and the resin/accelerator/curing agent mixture or within 2 minutes and 30 seconds after laminating the layers; and

maintaining the bubble-removing device at the lowered state for 15-30 seconds.

7. (New) The device of claim 1, wherein the debubbling pipes are on opposite sides of a center line of the body plate.

8. (New) The device of claim 2, wherein the handle extends on opposite sides of a center line of the body plate.

9. (New) A device for removing bubbles generated in molding glass fiber-reinforced plastic (GFRP) parts using a mold, the device comprising:

a body plate having a plurality of perforated gas vent holes;

debubbling pipes having a cavity and debubbling holes communicating with the cavity;

the holes being at the side of, and along the lengths of, the debubbling pipes at different distances from the body plate;

the debubbling pipes extending in such a manner that the cavity communicates with the vent holes of the body plate;

the debubbling pipes having a free end remote from the body plate for emersion into the

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mold.

10. (New) The device of claim 9, wherein the bubbling holes have differing angular positions around the perimeters of the debubbling pipes.

11. (New) The device of claim 9, wherein the debubbling pipes are on opposite sides of a center line of the body plate.

12. (New) The device of claim 10, wherein the debubbling pipes are on opposite sides of a center line of the body plate.

13. (New) The device of claim 9, wherein the debubbling pipes have differing lengths depending on the surface shape of the mold for molding GFRP into a given shape.

14. (New) The device of claim 10, wherein the debubbling pipes have differing lengths depending on the surface shape of a mold for molding GFRP into a given shape.

15. (New) The device of claim 9, wherein the body plate includes a handle on a first face thereof opposite from a second face thereof from which the debubbling pipes extend.

16. (New) The device of claim 15, wherein the handle extends on opposite sides of a center line of the first face.

17. (New) The device of claim 16, wherein the debubbling pipes are located on opposite sides of a center line of the second face.